

**fdi**



# 6<sup>th</sup> FDI - IDA JOINT MEETING

Balikpapan International Dental Exhibition 2010



## PROGRAM & ABSTRACTS

CLINICAL EXCELLENCE AND GREEN DENTISTRY :

BRING CHEERFUL SMILE TO THE WORLD



## MAIN PROGRAM

**Saturday – November 13, 2010**

**Venue: Grand Ballroom**

07.00 – 08.30	<i>Registration</i>
08.30 – 10.00	<i>OPENING CEREMONY</i>
10.00 – 11.15	<b>Dr. Philippe Guettier:</b> Current concepts in endodontic techniques
11.15 – 12.15	<b>Dr. Kevin H -K Yip:</b> A new paradigm shift in the management of worn dentition
12.15 – 13.00	<b>Prof Dr Laura Susanti:</b> New Paradigm of Relationship Between Worn Dentition And Temporo Mandibular Disorder
13.00 – 14.00	<i>LUNCH</i>
14.00 – 14.45	<b>Dr. Sri Lelyati:</b> Management of Dentine Hypersensitivity as Supportive Treatment of Periodontal Disease
14.45 – 15.30	<b>Dr Gatot Sutrisno:</b> Achieving high esthetic restoration with esthetic fiber post
15.30 – 16.15	<b>Dr Bambang Agustono:</b> Direct Composite Resin Inlay/Onlay

**Sunday – November 14, 2010**

**Venue: Grand Ballroom**

09.00 – 10.30	<b>Prof. F Lakshman Samaranayake:</b> Infection Control in Dentistry: A constant Challenge
11.00 – 12.30	<b>Dr Paulus Januar, Dr Yosi Kusuma Eriw ati, Dr Tri Erri Astoeti:</b> Integrated lectures on Green Dentistry as a new paradigm to clinical excellence in dental practice
12.30 – 13.00	<b>Prof. Dr Aznan Lelo:</b> NSAID for acute dental pain
13.00 – 14.00	<i>LUNCH</i>
14.00 – 15.30	<b>Dr. How Kim Chuan:</b> Bone level implant: a perfect complement to tissue level implant
15.30 – 16.00	<i>BEST PAPER AWARDS ANNOUNCEMENT AND CLOSING CEREMONY</i>

### SPECIAL SESSION

**Saturday November 13, 2010**

**Venue: Grand Ballroom**

16.15 - 17.00	<b>IDA Dental Continuing Professional Development Commission:</b> Certification, registration, and licensing for dentists in Indonesia
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### Dental Trade Exhibitions

Both of local and international suppliers will feature the new model and technology in dental materials and equipment. Special offers and attractive discounts will also be brought to you for your convenience. Twenty three Dental distributors/suppliers in 25 booths have participated in this exhibition to showcase their new technology products of dental materials and equipment.

### Welcome Dinner

All participants will be invited to the Welcome Dinner on Saturday October 13, 2010 at The Grand Senyur Ballroom with traditional dance and music entertainment.

### BEST PAPER AWARDS

The Scientific Committee of the 6<sup>th</sup> FDI-IDA Joint Meeting will also select for 3 Best Paper Awards for Research Report, Case Study, and Literature Study. The best paper will be awarded Rp 2.000.000,- /paper (excluded tax).



## POSTER PRESENTATION

**Saturday – November 13, 2010**

**Venue: Mirror Room**

No	AUTHOR(S)	TITLE
1.	Agi Ardianti, Maria Purbati	Non-Extraction Treatment of Class III Malocclusion With Anterior Crowding (Case Report)
2.	Amiyatun Naini, Suhartini.	The Ability to Adhere Candida Albicans of Acrylic Resin and Valplast Denture Base
3.	Anna Ferlinasari, Kamizar	Case Report Conventional Retreatment on a Maxillary First Molar with Broken Instrument in Mesio Buccal Canal
4.	Ardo Sabir	Using Flavonoids as a Natural Products With High Pharmacological Potency to Improving Oral Health
5.	Ardo Sabir	Rat dental pulp tissue reaction after capped with propolis derived non-flavonoids extract
6.	Auerkari EI, Adiwirya MSK, Widurini DS, Sandra F, Wicaksono BD	White Tea Extract Reduces the Viability of Oral SCC Cell Lines in vitro by Inducing Apoptosis
7.	Aynie Yunita, Safrida Hoesin	Non-Vital Tooth Bleaching of Discolored-Maxillary Central Incisor: A Case Report
8.	Besse Tenri Awaru	The Therapeutic Properties of Propolis in Conservative Dentistry and Endodontic Treatment
9.	Boenjamin-Partakusuma F, Ibrahim-Auerkari E, Dillon DH, Suharsini M <sup>1</sup>	Anemia and underweight among Indonesian Schoolchildren with Angular Cheilitis
10.	Budi Yuwono	The Effect of Coffee Consumptions on Bone Wound Healing
11.	Budi Yuwono, Abdul Rochim	The Effect of Vital Sign on Adrenalin Addition in Local Anaesthetic on Block Injection of Alveolar Inferior Nerve
12.	Christine A. Rovani	Intracoronary Bleaching of discolored non-vital anterior tooth with Walking Bleach Technique
13.	Desi Sandra Sari	Calprotectin In Gingival Crevicular Fluids Correlates With Clinical Parameter And With The Count Of Black-Pigmented Anaerobes Bacteria On The Aggressive Periodontitis
14.	Devy Noviana, Ratna Meidyawati	Intentional Endodontic Treatment On Maxillary Second Molar to Prepare the Tooth as an Abutment for Fixed Partial Denture
15.	Dewi Kristiana	The effect of <i>Averrhoa Bilimbi</i> Leaf Extract as Denture Cleanser on The Transversal Strength of Acrylic Resin
16.	Didin Erma Indahyani, Izzata Barid, Ari Tri Wanodya Handayani	Effect of Lemuru Fish oil on Tooth Structure Following lipopolysaccharide-induced Periodontal Infection during odontogenesis in rat
17.	Dini Asrianti	Esthetic Onlay as a Restoration of Choice in Post Endodontic Posterior Tooth (Case Report)
18.	Dwi Prijatmoko	The Role of Body Composition in Determining Bone Maturity
19.	Dyah Juniar Hymawatty	The PFAPA Syndrome in Oral Medicine: Differential Diagnosis and Treatment
20.	Dyah Setyorini, Sulistiyani	Effectiveness of Fluoride Topical Application on the Number of Streptococcus Mutans Colony
21.	Eddy Hermanto, Andri Hardianto	Peripheral Osteoma of the Mandible : a Case Report
22.	Emy Ardana	Resin Based Root Canal Sealer Combined With Self-Etching Bonding Agent
23.	Febriana Setiawati Sugito	The Pattern of Severe-Early Childhood Caries (S-ECC) of Children Under Three Years Old in DKI Jakarta
24.	Febrina Rahmayanti, Yuniardini S Wimaradhani	Aphthous Like Ulcers in Patient with Gastrointestinal Disorder (A case report)
25.	Femmy Riyeni Puteri, Hendrarlin Soenawan	Fiber-Reinforced Composite as A Fixed Space Maintainer : A Case Report
26.	Ferry Jaya, Yosi Kusuma Eriwati	Effect of Surface Treatment On Adhesion to Dentin
27.	Ferry P Gultom	Use Neighbour Joining Technique to Inactivate Gene cdt Aggregatibacter Actinomycetemcomitans Bacteria
28.	Ganesha Wandawa, Dewi Nurul Mustaqimah, Elza Ibrahim Auerkari, Suyanto Sidik	Hyperbaric Oxygen as Alternative Adjunctive Therapy in Treatment of Chronic Periodontitis: Its Effect on Periodontal Pathogens
29.	Hesti Witasari, Munyati Usman	Case report: Endodontic Retreatment using Retreatment Rotary systems
30.	I Dewa Ayu Ratna Dewanti	Neem leaves (Azadirachta indica) Improved Oral Mucosa Defense Mechanism Against Candida albicans
31.	Iin Eliana Triwahyuni	Effect of Immunosuppression and C.albicans Infection to The Macrophage Phagocytosis Activity
32.	Imelda Sriulina Sinulingga, Himawan Halim	Compromised Treatment of Skeletal Class III Malocclusion in Adult
33.	Indah Ekasari, Faruk Hoesin	Treatment of severe crowding case



34.	Irmaleny, Narlan Sumawinata, Dewi Fatma, Marline Abdassah	Acute Toxicity Test of an Analgesic Herbal <i>Jatropha Curcas</i> L. Latex on Animal Models
35.	Isnandar, Kasman Manullang, Hendro S. Yuwono	Marginal Resection of Cemento-Ossifying Fibroma on Mandible Anterior Region (A Case Report)
36.	Jeffrey Limanto, Himawan Halim	Management of Dental Anterior Open Bite with Tongue Thrust Habit Using Combination of Tongue Crib and Manipulation Bracket Placement (Case Report)
37.	Jummyanto Pareang, Andi Sumidarti Anas	Comparison of Antibacterials Activity of Citronella Essential Oil ( <i>Cymbopogon winterianus</i> ) and Cinnamon Essential Oil ( <i>Cinnamomum burmanni</i> ) to the Growth of Bacteria Found in Caries.
38.	Juni Jekti Nugroho	Management of Non Vital Immature Teeth (Case Reports and Review)
39.	Kemala. N	Treatment of Non-Vital Tooth Discoloration using Internal Bleaching Technique
40.	Mindya Y, Hedijanti J, Niniarty Z.D	pBMP-2 Transfection into an Odontoblastic Lineage Cell as a Stem Cell Contribution for Regenerative Dentin Formation
41.	Ratna Farida, Endang Bachtiar, Melissa, Jeng Seriana, Rina Septriani.	The Effect of Gel Containing Anti Streptococcus mutans Serotype-C IgY on the Formation of S. mutans Biofilm (in vitro)
42.	Sarwono AT, Widurini, Andajani TW, Arifa	Anti-Inflammatory Activity of Outer Layer Aloe Barbadensis Leaf Extract on Accelerate Healing Process of Oral Mucous Ulceration
43.	Sri Utami, Sri Rejeki, BM Bachtiar, Purwita Nurwidayastuti	Effect of Xylitol Chewing Gum on Protein Concentration of Salivary Mutans Streptococci
44.	Widurini, DS. Sarwono AT, Septiana NS, Auerkari EI	The Effect of Black Cummin Application to Oral Mucous Inflammation

**POSTER PRESENTATION**  
**Sunday - November 14, 2010**

**Venue: Mirror Room**

No	AUTHOR(S)	TITLE
1.	Leliana S Devi AP	Management Treatment of Class II Division 1 Malocclusion with Multiple Diastemas in Lower Arch (Case Report)
2.	Leliana S Devi AP, Rina Sutjiati	Corrosion Behavior of Titanium Orthodontic Wire
3.	Lina Handayani	Extirpation of The Tongue Fibroma in Children (Case Report)
4.	Lusi Hidayati	The Increase of Gingival Sulcus Volume and Calprotectin Degree on Abutment Teeth Fixed Partial Denture
5.	Maria Davina, Dewi Anggraini Margono	Case report: Two Types of Endo-Perio Lesions in One Mouth
6.	Marta Juslily, Mita Juliawati	Establish an Emotional Connection between Patient and Dentist to achieve High Performance Dental Practice
7.	Marty Adani, Faruk Husein	Deep Over Bite Correction in Class II Division 2 Malocclusion Using Reverse Curve Arch Wire
8.	Miesje Karmiaty Purwanegara	Early Detection of Mouth Breathing as a Bad Habit
9.	Mita Juliawati, Marta Juslily	The Role of Human Resource Management in Dental Practice
10.	Muhammad Nurul Amin	The Role of Osteoclast and Osteoblast in Accelerating Orthodontic Tooth Movement
11.	Novandyta Hapsari, Nila Kesuma	Endodontic Therapy Through Artificial Crown - case report
12.	Palupi Kumara Sari, Agus Nurwiadh, Rama Nusjirwan	Upper Airway Obstruction Caused by Odontogenic Infection (Case Report)
13.	Patricia Iskandar, Haru Setyo Anggani, Retno Widayati	Patient's Knowledge About The Benefits and Side Effects of Orthodontic Treatment in RSGMP FKG UI
14.	R. Indriutami. N. Sumawinata.	Endodontic Retreatment on Weine Type 4 Configuration Mandibular First Premolar
15.	Rasmidar Samad, MS, Ra'idah Bulu, Herman Yapardi	Parents Perception Related to Impact of Children Dental and Oral Health to Quality of Life of Their Children in Urban and Rural Areas in Makassar Municipality
16.	Renta Frianty, Krisnawati	Treatment of protusion and open bite case with extrusion upper molar using transpalatal arch as anchorage
17.	Rina Sutjiati, Iin Eliana Triwahyuni	Decreasing of The Total Number of Cervical Lymph Node Cells Caused By Immunosuppression and Candida albicans Infection
18.	Rizka Kusumah Adriani, Daru Indrawati	Non-vital Tooth Whitening Treatment with the Walking Bleach Technique using 35% Hydrogen Peroxide Gel: Case Report
19.	Siti Aliyah P	Patient Education and Stringent Follow-Up Influencing The Outcome of Steroid-Treated Erythema Multiforme (Case Report)
20.	Sitti Andi Rahmayanti Laya	Descriptive results of the profile of dental practitioners who use digital dentistry in Malaysia
21.	Sulistiyani, Roedy Budi Raharjo	Cleft Lip and Cleft Palate in Children: Description and Treatments
22.	Sumintarti, Erni Marlina	Oral Traumatic Ulcer
23.	Trijani Suwandi	The Initial Treatment of Mobility Teeth and Closure Diastema in Chronic Adult Periodontitis
24.	Vega Roosa Fione, Anton Rahardjo	Probiotic Chewing Gum For Prevention Of Halitosis
25.	Wahdaniah Masdy	Use Amalgam Bonding Sistem as Core Post Endodontik
26.	Zahreni-Hamzah, Didin Erma Indahyani, Peni Pujiastuti	The role of Local Soy-Milk-Honey on Prevention Mandibular Bone Damage in Rats



# Descriptive Results of Digital Dentistry Readiness among Dental Practitioners in Malaysia.

Sitti Andi Rahmayanti Laya\*, Farida Sarkawi, Siti Noor Fazliah Mohd Noor.  
Advanced Medical and Dental Institute, Universiti Sains Malaysia.

## Introduction

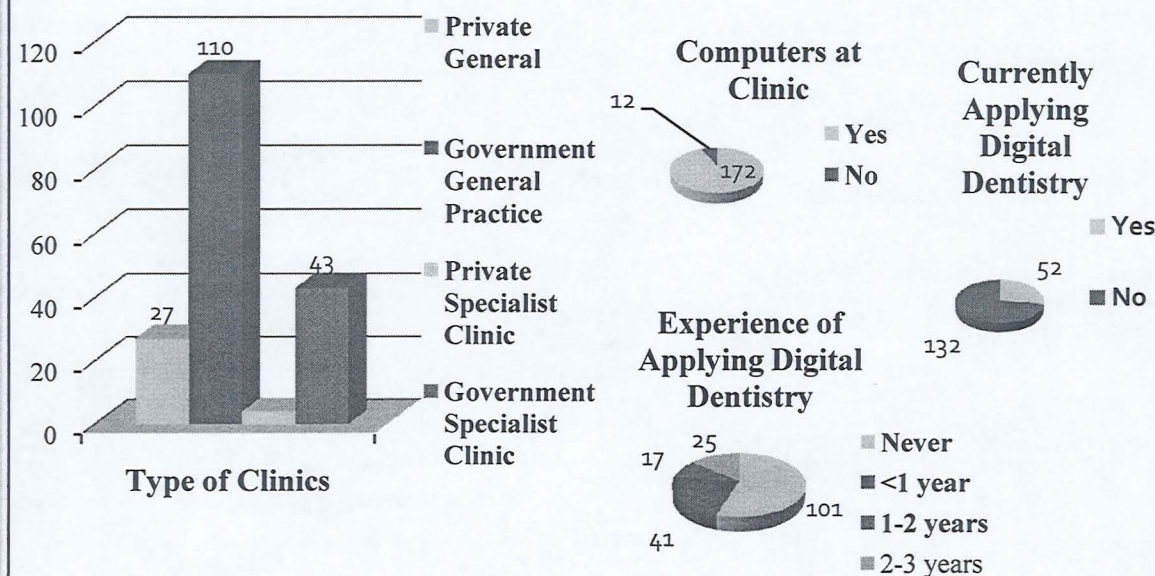
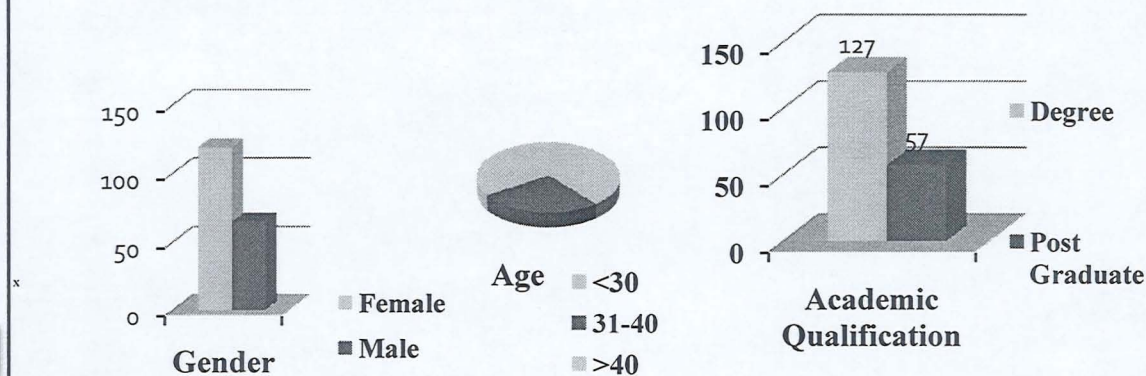
- Technology application in dentistry evolved dramatically allowing easy data management (Kirshner, 2003)
- Despite the advancement of dental technology, problem still occurs among dentists such as uneasiness, rigidity in using technology in dentistry.

## Methodology

- The study was conducted among dentist both in the government and private sector in Malaysia.
- Survey is done through distribution of questionnaires (Parasuraman, 2000) through regular mail, direct survey through phone and visit to dental clinics, and Internet.
- Around 500 questionnaires were sent out and only 184 dentists responded (36.8%). Descriptive data were analyzed using PASW 18.0.

## Results

Characteristics of Respondents N=184



## Conclusions

Dentists in Malaysia are still keeping pace in their daily practices applying digital dentistry. Therefore, a new initiative is needed in ensuring the use of digital dentistry among them.

## References

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## Acknowledgement

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**PATIENT EDUCATION AND STRINGENT FOLLOW-UP INFLUENCING THE OUTCOME OF STEROID-TREATED ERYTHEMA MULTIFORME  
 (CASE REPORT)**

**Siti Aliyah P\***

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Erythema multiforme is an inflammatory mucocutaneous disease which etiology remains unknown. Several precipitating factors including drugs and food have been suggested to trigger the disease. Systemic corticosteroid therapy is frequently used to treat this condition. A case of 54 year-old female patient diagnosed with erythema multiforme, has been treated with systemic steroid for several times. Good clinical appearance resulted from the treatment has not been achieved and she complained that the disease worsen. History of drugs usage without any physician's advice every time the disease recurred was revealed. Steroid treatment was rescheduled for the patient. Thorough patient's education about the rationale of the steroid treatment together with strict follow up schedule was also planned. Clinical appearance of erythema multiforme was resolved after the second follow up visit. Until now patient still experiences several mild recurrent episodes of erythema multiforme, but longer lesion-free period was noted. Although steroid is the treatment of choice of erythema multiforme, good treatment outcome is also strongly influenced by patient's understanding of the rationale of the treatment and the importance of follow up during treatment.

**Keywords:** erythema multiforme, steroid, education, follow up

**DESCRIPTIVE RESULTS OF DIGITAL DENTISTRY READINESS AMONG DENTAL PRACTITIONERS IN MALAYSIA**

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**Introduction:** Technology application in dentistry evolved dramatically allowing easy data management. Dental practice equipped by ICT application enable the improvement in work flow and efficiency due to huge number of software available that serves many non-internet clinical applications as well as administrative application technology. Despite the advancement of dental technology, problem still occurs among dentists such as uneasiness and rigidity in using technology in dentistry. Aims: The purpose of the study was to determine the readiness of dental practitioners to digital dentistry in Malaysia by using Technology Readiness Index. Methods: The study was conducted among dentist both in the government and private sector in Malaysia. Survey was done through distribution of questionnaires through regular mail, direct survey through phone and visit to dental clinics, and online survey through internet. Around 500 questionnaires were sent out and only 182 dentists responded (36.4%). Descriptive data were analyzed using SPSS version 17.0. Results: Majority of the respondents were female (64.7%) with age <30 years old (39.1%). Most dentists hold bachelor degree (69%) and working in the Government sector (59.8%). Most dentists had personal computer at home (96.7%) with >5 years experience of using computer (82.1%) with 76.1% claimed had the experience of using internet. Even though 93.5% had computers at their clinic, they are not applying digital dentistry (71.7%). Conclusion: Dental practitioners in Malaysia are keeping pace in applying digital dentistry. Further analysis is needed regarding the TRI.



## **Descriptive Results of Digital Dentistry Readiness among Dental Practitioners in Malaysia**

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### **Abstract**

Technology application in dentistry evolved dramatically allowing easy data management. Dental practice equipped by ICT application enables the improvement of work flow and efficiency due to a huge number of software available that serves many non-internet clinical applications as well as administrative application technology.

Despite the advancement of dental technology, problem still occurs among dentists such as uneasiness, rigidity in using technology in dentistry. The purpose of the study is to describe the profile of dental practitioners that use digital dentistry in Malaysia. The study was conducted among dentists both in the government and private sector in Malaysia. Survey was being done through distribution of questionnaires through regular mail, direct survey through phone and visit to dental clinics, and online survey through internet. Around 500 questionnaires were sent out and only 184 dentists responded (36.8%). Descriptive data were analyzed using SPSS version 17.0. The results are majority of the respondents are female (64.7%) with age <30 years old (39.1%). Most dentists hold bachelor degree (69%) and work in the Government sector (59.8%). Most dentists have personal computer at home (96.7%) with >5 years experience of using computer (82.1%) with 76.1% claim to



have had the experience of using internet. Even though 93.5% have computers in their clinic, they are not applying digital dentistry (71.7%). Therefore the conclusion is

Dental practitioners in Malaysia are keeping pace in applying digital dentistry.

Further analysis is needed regarding the TRI.

Keyword: Digital Dentistry, dental practitioners, profile, Malaysia

## **Introduction**

Technology information (TI) has expanded and advancement in the field of TI has increased rapidly during the last decade. For instance, in the end of 1998, there has been 364 million computers were installed broadly in the world, thus computers have become the most important part of daily life. Computer technology has given many changes in various field of science, including dental field. Currently dental practice activities can't be separated from computer technology whereas it becomes the integral part of dentistry which supports efficiency in management practice. For example, educational software as an intelligent assistant can help in taking a decision in clinical practice as well as the dissemination of best practice effectively<sup>1</sup>.

Technology advancement in dentistry evolved dramatically allowing easiness and comfort for both of dentists and patients. The importance of using technology computer in dentistry, for example, a dental practice which is equipped with an ICT application enables an improvement of work flow and efficiency due to a huge number of software available that serves many non internet clinical applications such as dental and medical history, oral-health status, charting, digital imaging, diagnostic, treatment planning and decision support application as well as administrative



application technology<sup>2</sup>. In knowing how digital dentistry can be beneficial in dental practice, one of examples is on the dental imaging. The development of dental radiograph is on the rise whereas in the 1980s the first digital imaging developed was the first intra-oral sensor for use in dentistry. In the current years digital radiography has become a more superior alternative than conventional film imaging due to development of cost effectiveness of intra-oral and extra-oral digital technology. The benefit of this system is dentist can do a computerized film imaging faster on the chair side computer by adjusting and analyzing image to aid an accurate diagnosis as well as the ease of compact storage<sup>3</sup>. Despite the advancement of dental technology, problem still occurs among dentists such as uneasiness, rigidity in using technology in dentistry as well as low response in digital dentistry readiness surveys. A research in Canada found that dentists often used digital technology to consult with the colleagues rather than with the patients. The attitude and perception among dentists have also been influenced by the difference between cultures and countries<sup>4</sup>. Scholarly research pertaining to this area is still few and it has become critical due to high demands from people in accessing fast and qualified health care services<sup>5, 6</sup>. As dentistry goes digital and also moves into the 21<sup>st</sup> century, hopefully by knowing the profile of dental practitioners using digital dentistry, a friendly and end-user technology approach will be created as well as the preparation on perception and attitude can be done in better methods and manner.

## **Material and Methods**

### ***Survey Instrument***

A list of 10 questions was developed for the questionnaire in this study in order to describe the demographic data and information about actual computer and Internet



usage as well as the status on applying digital dentistry among dental practitioners in Malaysia.

### ***Survey distribution***

Based on statistics<sup>7</sup>, there were a total number of 3,165 dentists in Malaysia, with a ratio between population and dentist as 1:8,586. Therefore, 500 questionnaires were sent to the respondents. Surveys were carried through various methods such as questionnaires sent through regular mails, a direct survey through phone or visiting dental clinics as well as online survey through internet by using e-mail, website or facebook. Regular mails survey were distributed in a pack which included a self-addressed, stamped return envelope and an introduction letter of outline the research as well as online survey, an introduction letter were also provided with the questionnaire. The survey was selected to distribute in Peninsular Malaysia.

### ***Data Analysis***

Statistical analysis was performed using PASW statistic 18.0. Descriptive statistics were used to characterize the sample population.

### ***Result***

Of the 500 questionnaires, 184 were returned with 64.7 % of respondents were female. Almost half of the respondents are below of 30 age year of age. (Table 1). The highest proportion of respondents are in the <30 age group and most of them hold bachelor degree (69%), working in Government general practice having highest proportion (59.8%) even though descriptive results showed that most of respondents having personal computer at home (96.7%) and clinic (93.5%) as well as most of them using internet (76.1%) and computer well more than 5 years (82.1%)



unfortunately most of them have never experienced applying digital dentistry (54.9) and never currently applying digital dentistry (71.7%).

**Table 1: Demographic of samples**

<b>Characteristic</b>		<b>No (%) of Respondents</b>
		<b>N=184</b>
<b>Gender</b>		
	Female	119 (64.7)
	Male	65(37.3)
<b>Age</b>		
	<30	72(39.1)
	31-40	49(26.6)
	>40	63(34.2)
<b>Academic Qualification</b>		
	Degree	127(69)
	Post Graduate	57(31)
<b>Type of Clinics</b>		
	Private General	27(14.7)
	Government General Practice	110(59.8)
	Private Specialist Clinic	4( 2.2)
	Government Specialist Clinic	43(23.4)
<b>Personal Computer at Home</b>		
	Yes	178(96.7)
	No	6 ( 3.3)



<b>Experience of Applying Digital Dentistry</b>	
Never	101(54.9)
<1 year	41(22.3)
1-2 year	17( 9.2)
2-3 year	25(13.6)
<b>Years of Using Computer</b>	
<1 year	4(2.2)
1-2 year	3(1.6)
2-3 year	9(4.9)
3-4 year	8(4.3)
4-5 year	9(4.9)
>5 year	151(82.1)
<b>Years of Using Internet</b>	
<1 year	2(1.1)
1-2 year	8(4.3)
2-3 year	12(6.5)
3-4 year	9(4.9)
4-5 year	13(7.1)
>5 year	140(76.1)
<b>Computers at Clinic</b>	
Yes	172(93.5)
No	12(6.5)
<b>Currently Applying Digital Dentistry</b>	
Yes	52(28.3)
No	132(71.7)



## Discussion

This is the first study of describing the profile of dentists in Malaysia using digital dentistry. It gives only 23.8 % of dentists that apply digital dentistry within a sample of 184 respondents. The main weaknesses of this study are the small number of returned questionnaires and there is no name of respondent written on the questionnaire, it can cause the reduplication of either sending or receiving questionnaire by same respondents. These may lead to the bias of the sample and also was probably underestimated compared to general population dentists in Malaysia in which calculated at 3,165 people<sup>7</sup>. Despite this limitation, the study is important to know the amount of dentists that apply digital dentistry in order to justify the approach to the new strategies of digital dentistry in reaching more dentists to use the technology in their dental practices.

In several developing countries the related study to digital dentistry are also performed and still shows the low response in using new technology<sup>8</sup>. This study becomes critical reminding people nowadays require fast and better assistance in tertiary healthcare services. Digital technologies in dentistry have potential aspects such as improving accurate diagnosis, giving treatment facilities for patients, doing storage, providing transfer and making retrieval as well as keeping back up of patient's data whenever the practice should fire, flood or earthquake<sup>9</sup>. One of the ways for dentists to familiarize and use digital technology is by giving education and cultural approach within digital dentistry-based in academic curricula for dental students in order to configure them in adopting and using technology in the clinics<sup>10</sup>. Also, manifestation of behavioral sciences in dental education to adopt new



technology in the academic dental curriculum may help to improve development of using digital technology and to build culturally sensitive care to patients <sup>11</sup>.

## **Conclusion**

Currently dentists, who practice in Malaysia, are still keeping pace in applying digital dentistry. It shows that they already accustomed in using computers in the clinics for many years and a few of them have already applied digital dentistry in their practices. Therefore, a new development of attracting and offering the simple use of digital technology are indeed needed to raise the use of digital dentistry by dentists in more clinics in Malaysia. Further analysis is needed regarding the TRI.

## **References**

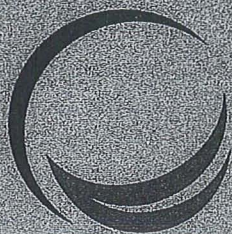
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# **6<sup>th</sup> FDI - IDA JOINT MEETING**

**Balikpapan International Dental Exhibition 2010**



## **PROGRAM & ABSTRACTS**

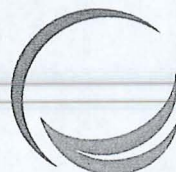
**CLINICAL EXCELLENCE AND GREEN DENTISTRY :**

**BRING CHEERFUL SMILE TO THE WORLD**





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**6<sup>th</sup> FDI - IDA JOINT MEETING**  
**and Balikpapan International Dental Exhibition 2010**

**CERTIFICATE OF APPRECIATION**

**This is to certify that**

**drg. SITTI ANDI RAHMAYANTI LAYA**

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**has participated**  
**on the 6<sup>th</sup> FDI-IDA Joint Meeting**  
**and Balikpapan International Dental Exhibition 2010**  
**Balikpapan, November 12 - 14, 2010**

**As**

**POSTER PRESENTATION**

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**Dr. Zaura Anggraeni, MDS**  
President of IDA



**Dr. Dyah Muryani**  
Organizing Committee Chairperson

